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Anti-BMPR2 Antibody
Rabbit polyclonal antibody to BMPR2
Catalog # AP59917

Specification

Anti-BMPR2 Antibody - Product Information

Application	**WB**
Primary Accession	Q13873
Other Accession	O35607
Reactivity	**Human, Mouse, Rat, Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**115201**

Anti-BMPR2 Antibody - Additional Information

Gene ID 659

Other Names
PPH1; Bone morphogenetic protein receptor type-2; BMP type-2 receptor; BMPR-2; Bone morphogenetic protein receptor type II; BMP type II receptor; BMPR-II

Target/Specificity
Recognizes endogenous levels of BMPR2 protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-BMPR2 Antibody - Protein Information

Name BMPR2

Synonyms PPH1

Function
On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Can also mediate signaling through the activation of the p38MAPK cascade (PubMed:12045205). Binds to BMP7, BMP2 and, less efficiently, BMP4. Binding is weak but enhanced by the presence of type I

receptors for BMPs. Mediates induction of adipogenesis by GDF6.

Cellular Location
Cell membrane; Single-pass type I membrane protein

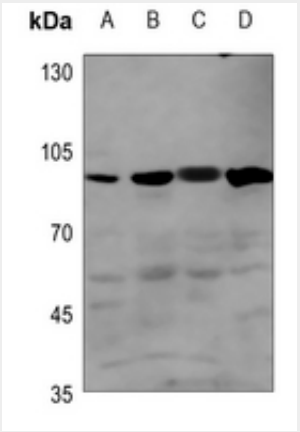
Tissue Location
Highly expressed in heart and liver.

Anti-BMPR2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-BMPR2 Antibody - Images



Western blot analysis of BMPR2 expression in mouse kidney (A), mouse heart (B), rat kidney (C), rat heart (D) whole cell lysates.

Anti-BMPR2 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human BMPR2. The exact sequence is proprietary.